

Claims:

1. Sterilizable multilayer film for containers containing solutions, suspensions, solids or mixtures for parenteral or enteral nutrition or tube feeding, optionally in a spatially separated arrangement of the contents, having a three-layered structure with an inner layer being in contact with the content of the container, an intermediate layer and an outer layer facing the environment, said layers optionally connected by tie and/or adhesive layers, wherein
5 the oxygen transmission rate at 23 °C through the multilayer film determined by the oxygen transmission of the intermediate layer is less than 0.7 ml/m²d,
said inner layer having a thickness of from 30 to 120 µm,
said intermediate layer having a thickness of from 5 to 35 µm and said
15 outer layer having a thickness of from 20 to 40 µm, and
allowing desorption of water absorbed in the intermediate layer during sterilization after said sterilization at 121 °C.
2. The multilayer film according to claim 1, wherein said oxygen
20 transmission rate at 23 °C is less than 0.4 ml/m²d.
3. The multilayer film according to claim 1 or 2, having an inner layer essentially consisting of non-polar polymeric material.
- 25 4. The multilayer film according to claim 3, having an inner layer comprising or substantially consisting of polypropylene homopolymer and/or polypropylene copolymer.

5. The multilayer film according to any one of claims 1 to 4, having an intermediate layer comprising or substantially consisting of ethylene/vinyl alcohol copolymer, having a defined ethylene content of 27 to 38, in particular 29 to 32 mol-%.

5

6. The multilayer film according to any one of claims 1 to 5, having an outer layer comprising or substantially consisting of polyethylene terephthalate homopolymer and/or polyethylene terephthalate copolymer.

10

7. The multilayer film according to any one of claims 1 to 6, characterized in that the multilayer film contains at least one oxygen absorber within one or several of the layers.

15

8. The multilayer film according to claim 7, wherein said oxygen absorber contains or consists of Fe or Fe(II)-salts.

9. The multilayer film according to claim 7 or 8, wherein said oxygen absorber is contained in said inner layer.

20

10. The multilayer film according to any one of claims 7 to 9, wherein said oxygen absorber is contained in a tie and/or adhesive layer located between said inner layer and said intermediate layer.

25

11. The multilayer film according to any one of claims 7 to 10, wherein said oxygen absorber is contained in the respective layer/layers in an amount of 1 to 100 mg/g, particularly 5 to 20 mg/g related to the weight of the respective layer.

12. The multilayer film according to anyone of claims 7 to 11, wherein said oxygen absorber is contained in an amount of 0.5 to 2.0 mg/g related to the overall weight of all layers.

5

13. Vapor sterilized multilayer film according to any one of claims 1 to 12.

14. Use of the multilayer film according to any one of claims 1 to 13
10 as a pharma film.

15. Use according to claim 14 to preserve the quality of products for infusion, PVR, dialysis, urology and/or clinical nutrition.

15 16. Use according to claim 14 or 15 to minimize oxidation and/or adsorption of the ingredients of said products.